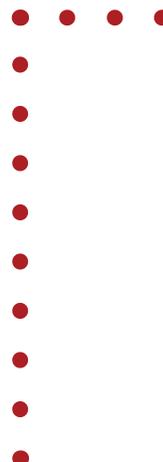


Quaternary Resource Investigations, L.L.C. (QRI), established in 1986, is a multifaceted environmental consulting company that specializes in geophysical assessments, drilling, remediation, and construction services. QRI excels at assisting government, industry and private-sector clients in matters that demand innovative thinking with a team that is dedicated to providing quality results in a safe and timely manner with significant cost savings.



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# GENERAL SERVICES ADMINISTRATION

## Federal Acquisition Service

### Authorized Federal Supply Schedule Price List

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order is available through **GSA Advantage!**<sup>TM</sup>, a menu-driven database system. The INTERNET address for **GSA Advantage!**<sup>TM</sup> is: <http://www.GSAAdvantage.gov>.

For more information on ordering from Federal Supply Schedules click on the **FSS Schedules** button at <http://www.gsa.gov/schedules-ordering>

## Schedule for - Environmental Services

**Federal Supply Group:** 899  
**Class:** F999  
**Contract Number:** GS10F105BA  
**Contract Period:** March 3, 2014 through March 2, 2019  
**Contractor:** Quaternary Resource Investigations, L.L.C.  
**Address:** 13588 Florida Blvd.  
Baton Rouge, LA 70819  
**Business Size:** Small Business; Women Owned Business; Small Disadvantaged Business;  
Economically Disadvantaged Women Owned Small Business

### POINTS OF CONTACT

**Telephone:** (225) 292-1400  
**FAX Number:** (225) 292-1404  
**Web Site:** [www.qri.com](http://www.qri.com)  
**Contract Administration:** Fonda Lindfors New ([flin@qri.com](mailto:flin@qri.com))  
**Authorized Negotiators:** Nina Goodrich ([ngoo@qri.com](mailto:ngoo@qri.com))  
Mary Ruiz ([mrui@qri.com](mailto:mrui@qri.com))

# COMPANY PROFILE

Quaternary Resource Investigations, L.L.C. (QRI), established in 1986, is a multifaceted company that specializes in <sup>1</sup>Environmental/Hazardous Toxic Radiological Waste/Consulting; <sup>2</sup>Geophysical; <sup>3</sup>Drilling; <sup>4</sup>Emergency Response/ Remediation; and <sup>5</sup>Horizontal & Vertical Construction. In its 27+ years in business, QRI has grown to a staff of nearly 100 professionals and technicians with 6 branch offices.

When you look at QRI and all the diverse services we provide within our Company you may ask yourself, "How can they do all of that cohesively?" Initially, QRI's clientele was the oilfield in coastal Louisiana. At that time, QRI provided Consulting and Drilling services, but when you are at a gathering station in the middle of the Atchafalaya Swamp, you have to have everything you need to service the client. Over time, QRI's clients would request various additional services such as remediating oil spills, demolition and disposal of old facilities, etc. As a result, QRI's capabilities grew. Then, Hurricanes Katrina & Rita hit and turned our coastal Louisiana business upside down.

In 2004, QRI obtained its 8(a) [graduated 01/2013] status as a Woman-Owned Business in order to pursue federal opportunities with all of the skill sets obtained over the years. Pre-Katrina, we began marketing our services and our recently obtained federal status to larger consultant companies in Houston. One of those companies realized our capabilities within 3 days after Katrina hit, resulting in fiftyfour (54) QRI employees serving for eighteen (18) months and providing 16% of the Hurricanes Katrina and Rita Incident Command Structure for the USEPA Region 6 START.

Since 2007, QRI has been awarded 79 Federal Prime contracts with 318 task orders valued at \$299,881,646 in multiple NAICS Series (majority in 562, 541, 236, 237, 238 series). Federal clients served include: the USACE in 7 Districts (MVN, MVK, MVM, SWF, SWT, SWG and NWS) and 3 Divisions (MVD, SWD, and NWD); the US Navy; the US Air Force; the USPFO National Guard; the National Park Service; the GSA, Region 7; the US Coast Guard; the US Geological Survey and FEMA. Additionally, QRI has received multiple performance awards for Federal projects including 6 Outstanding and 2 Above Average CCASS Ratings, 1 Very Good ACCASS Rating and 4 Exceptional and 1 Very Good CPARS Ratings. In 2011 QRI was honored with the Superior Safety Performance Award from the USACE, MVD. QRI has also received numerous commendation and recommendations from their clients and SBA representatives



<b>Founded</b>	1986
<b>Owner</b>	Fonda L. New, CEO / Principal Geologist
<b>Corporate Office</b>	Baton Rouge, LA
<b>US Offices Locations</b>	7
<b>Total Staff</b>	97

### Company Divisions

- 1 Environmental / HTRW / Consulting
- 2 Drilling
- 3 Geophysical
- 4 Emergency Response & Remediation
- 5 Horizontal & Vertical Construction

#### Certifications:

SDB  
WOSB  
EDWOSB  
LADOTD-DBE  
Metro Transit Authority of Harris County, TX-SBE  
NCTRCA-M/WBE  
WBENC-WBE  
City of Houston-WBE

#### Licenses:

City of Baton Rouge East Baton Rouge Parish - Mechanical License #M1916  
LA-DNR Water Well Contractor – WWC-#358  
LA Contractor License #40834  
LA Residential Building Contractor #881017  
TX Professional Geologist #4141  
LDEQ Response Action Contractor #112040  
LA Home Improvement Contractor #553562



# CUSTOMER INFORMATION

1a. Table of Awarded Special Item Number(s) with appropriate cross-reference to page numbers:

SIN	Recovery	SIN Description
899-1	899-1RC	Environmental Consulting Services
899-7	899-7RC	Geographic Information Systems (GIS) Services
899-8	899-8RC	Remediation and Reclamation Services

1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract. This price is the Government price based on a unit of one, exclusive of any quantity/dollar volume, prompt payment, or any other concession affecting price. Those contracts that have unit prices based on the geographic location of the customer, should show the range of the lowest price, and cite the areas to which the prices apply.

1c. If the Contractor is proposing hourly rates a description of all corresponding commercial job titles, experience, functional responsibility and education for those types of employees or subcontractors who will perform services shall be provided. If hourly rates are not applicable, indicate "Not applicable" for this item.

2. **Maximum Order:** \$1,000,000.00

3. **Minimum Order:** \$100.00

4. **Geographic Coverage (delivery Area):** Domestic & Overseas

5. **Point(s) of production (city, county, and state or foreign country):** Same as company address

6. **Discount from list prices or statement of net price:** Government net prices (discounts already deducted). See Attachment.

7. **Quantity discounts:** 1% discount on task orders equal to or exceeding \$150,000.00; 2% discount on task orders equal to or exceeding on \$300,000 and 3% discount on task orders equal to or exceeding on \$600,000.

8. **Prompt payment terms:** 1% - 15 days; Net 30 days

9a. **Notification that Government purchase cards are accepted up to the micro-purchase threshold:** Yes

9b. **Notification whether Government purchase cards are accepted or not accepted above the micro-purchase threshold:** will accept over \$2,500

10. **Foreign items (list items by country of origin):** None

11a. **Time of Delivery (Contractor insert number of days):** Specified on the Task Order

11b. **Expedited Delivery.** The Contractor will insert the sentence "Items available for expedited delivery are noted in this price list." under this heading. The Contractor may use a symbol of its choosing to highlight items in its price list that have expedited delivery: Contact Contractor

11c. **Overnight and 2-day delivery.** The Contractor will indicate whether overnight and 2-day delivery is available. Also, the Contractor will indicate that the schedule customer may contact the Contractor for rates for overnight and 2-day delivery: Contact Contractor

- 11d. Urgent Requirements.** The Contractor will note in its price list the “Urgent Requirements” clause of its contract and advise agencies that they can also contact the Contractor’s representative to effect a faster delivery: Contact Contractor
- 12. F.O.B Points(s): Destination**
- 13a. Ordering Address(es):** Same as Contractor
- 13b. Ordering procedures:** For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA’s), and a sample BPA can be found at the GSA/FSS Schedule homepage ([fss.gsa.gov/schedules](http://fss.gsa.gov/schedules)).
- 14. Payment address(es):** Same as company address
- 15. Warranty provision:** Contractor’s standard commercial warranty.
- 16. Export Packing Charges (if applicable):** N/A
- 17. Terms and conditions of Government purchase card acceptance (any thresholds above the micro-purchase level):** Contact Contractor
- 18. Terms and conditions of rental, maintenance, and repair (if applicable):** N/A
- 19. Terms and conditions of installation (if applicable):** N/A
- 20. Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable):** N/A
- 20a. Terms and conditions for any other services (if applicable):** N/A
- 21. List of service and distribution points (if applicable):** N/A
- 22. List of participating dealers (if applicable):** N/A
- 23. Preventive maintenance (if applicable):** N/A
- 24a. Environmental attributes, e.g., recycled content, energy efficiency, and/or reduced pollutants:** N/A
- 24b. If applicable, indicate that Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services and show where full details can be found (e.g. contractor’s website or other location.) The EIT standards can be found at:** [www.Section508.gov/](http://www.Section508.gov/).
- 25. Data Universal Numbering System (DUNS) number:** 180552200
- 26. Notification regarding registration in Central Contractor Registration (CCR) database:** Registered

# FINAL PRICING

The rates shown below include the Industrial Funding Fee (IFF) of 0.75%.

Item	SIN	Awarded Labor Category	Min Edu	Min Exp	Site	Awarded Rate w/IFF
1	899-1 & 899-8	Program Manager	Bachelors	15	Both	\$147.29
2	899-1 & 899-8	Principal Geologist	Bachelors	12	Both	\$176.03
3	899-1 & 899-8	Senior Engineer	Bachelors	12	Both	\$146.13
4	899-1 & 899-8	Contracts Manager	Bachelors	5	Both	\$84.35
5	899-1 & 899-8	Senior Project Manager	Bachelors	10	Both	\$99.44
6	899-1 & 899-8	Project Manager	Bachelors	5	Both	\$70.54
7	899-1 & 899-8	Geologist III, Environmental Specialist III, Senior Researcher	Bachelors	5	Both	\$87.95
8	899-1 & 899-8	Geologist II, Environmental Specialist II	Bachelors	3	Both	\$73.30
9	899-1 & 899-8	Geologist I, Environmental Specialist I, Researcher	Bachelors	0	Both	\$53.75
10	899-1 & 899-8	Species Specialist III	Masters	10	Both	\$143.08
11	899-1 & 899-8	Species Specialist II	Bachelors	6	Both	\$110.99
12	899-1 & 899-8	Species Specialist I	Bachelors	2	Both	\$73.10
13	899-1 & 899-8	Habitat Biologist III	Masters	10	Both	\$143.08
14	899-1 & 899-8	Habitat Biologist II	Bachelors	6	Both	\$110.99
15	899-1 & 899-8	Habitat Biologist I	Bachelors	2	Both	\$73.10
16	899-1, 899-7, 899-8	GIS Technician III	Bachelors	10	Both	\$110.99
17	899-1, 899-7, 899-8	GIS Technician II	Bachelors	3	Both	\$73.10
18	899-1, 899-7, 899-8	GIS Technician I	Bachelors	0	Both	\$66.55
19	899-1 & 899-8	QA/QC Support III	Bachelors	6	Both	\$110.99
20	899-1 & 899-8	QA/QC Support II	Bachelors	3	Both	\$61.56

## FINAL PRICING (cont...)

21	899-1 & 899-8	QA/QC Support I	High School	3	Both	\$53.62
22	899-1 & 899-8	Graphic Designer*	Bachelors	3	Both	\$45.44
23	899-1 & 899-8	Lead/Asbestos/Mold Inspector	Bachelors	2	Both	\$61.66
24	899-1 & 899-8	Health & Safety Officer	High School	2	Both	\$61.66
25	899-1 & 899-8	Quality Control Manager	Bachelors	5	Both	\$61.56
26	899-1 & 899-8	Field Manager	Associates	8	Both	\$73.30
27	899-1 & 899-8	Driller*	High School	7	Both	\$70.54
28	899-1 & 899-8	Field Supervisor*	High School	5	Both	\$58.09
29	899-1 & 899-8	Field Technician, Geologic Technician*	High School	2	Both	\$39.92
30	899-1 & 899-8	Office Professional II*	High School	3	Both	\$48.86
31	899-1 & 899-8	Office Professional I*	High School	1	Both	\$38.47
Item	SIN	Awarded Fixed Price Service	Unit of Issue		Site	Awarded Rate w/IFF
32	899-1 & 899-8	Geoprobe (includes equipment, Driller, and Field Technician - 10 hour day): Model 6610 Track Mounted Remote Controlled (Min. 1/2 day)	Per Day		Both	\$1888.53
33	899-1 & 899-8	Geophysical Data Acquisition – GPR, EM31, EM61, Magnetometer, or Gradiometer: (Includes equipment, GPS, 4 wheel-drive vehicle, marking supplies [paint, flags, stakes], vehicle, PPE and 2 Field Technicians) (Min. 1/2 day)	Per Day		Both	\$1584.29
34	899-1 & 899-8	Private Utility Locating: (Includes Utility Locator & GPR equipment, GPS, 4 wheel-drive vehicle, marking supplies [paint, flags, stakes], vehicle, PPE and 2 Field Technicians) (Min. 2 hours)	Per Hour		Both	\$166.99
35	899-1 & 899-8	Infrared Survey: (Includes equipment and 1 Field Technician, PPE) (Min. 1/2 day)	Per Day		Both	\$1214.79
36	899-1 & 899-8	Vacmasters Vacuum Excavation / Potholing: (Includes equipment and 2 Field Technicians) (Min. 2 hours)	Per Hour		Both	\$210.11

# SERVICE CONTRACT ACT (SCA) MATRIX

SCA Eligible Labor Category	SCA Equivalent Code Title	Wage Determination No
Field Supervisor	30090 Environmental Technician	2005-2231
Field Technician/Geologic Technician	30090 Environmental Technician	2005-2231
Office Professional I	01112 General Clerk II	2005-2231
Office Professional II	01112 General Clerk II	2005-2231
Graphic Designer	15080 Graphic Artist	2005-2231
Driller	23965 Well Driller	2005-2231

The Service Contract Act (SCA) is applicable to this contract and it includes SCA applicable labor categories. The prices for the cited SCA labor categories are based on the U.S. Department of Labor Wage Determination Number(s) identified in the SCA matrix and above. The prices offered are based on the preponderance of where work is performed and should the contractor perform in an area with lower SCA rates, resulting in lower wages being paid, the task order prices will be discounted accordingly.

# LABOR CATEGORIES

Staff Category	Education/Experience/Registration Requirements	Duties
Program Manager	B.S. + 15 years relevant experience PE, PG or other similar professional registration preferred	Plans, conducts and supervises projects of major significance necessitating proven management skills and knowledge; supplies programmatic and technical advice and counsel to other senior professionals; demonstrates ability to originate and apply new and/or unique methods, approaches and procedures.
Principal Geologist	B.S. + 12 years relevant experience PG professional registration preferred	Responsible for complex investigations. Analyzes land, reservoir and geological formations. Develops technical project scope, schedules/milestones and cost estimates. Designs technology applications. Plans and coordinates other analyses and tests as necessary. Ability to originate and apply new and/or unique methods. Provides technical advice and counsel to other professionals.
Senior Engineer	B.S. + 12 years relevant experience PE professional registration	Responsible for complex technical tasks related to design and implementation of remediation, construction and cost estimating plans. Supervises engineering teams. Provides technical advice and counsel to other professionals; ability to originate and apply new and/or unique methods.
Contracts Manager	B.S. + 5 years relevant experience	Responsible for the contract administration of a program or project. This includes contract preparation, budgeting, scheduling modifications, change orders and compliance monitoring. Provides coordination and assistance to the program and project managers in the preparation of management reports, contracting documents and subcontractor agreements.
Senior Project Manager	B.S. + 10 years relevant experience PE, PG or other similar professional registration preferred PMP Certification preferred	Provides planning, direction and coordination functions of a complex projects to ensure contract performance requirements and objectives are accomplished. Directs activities of personnel. Responsible for setting and attaining budget, schedule, and performance standards. Monitors and controls expenditures within limitations of project budget. Serves as client POC.
Project Manager	B.S. + 5 years relevant experience PE, PG or other similar professional registration preferred PMP Certification preferred	Provides planning, direction and coordination functions of a routine projects to ensure contract performance requirements and objectives are accomplished. Directs activities of personnel. Responsible for setting and attaining budget, schedule, and performance standards. Monitors and controls expenditures within limitations of project budget. Serves as client POC.

## LABOR CATEGORIES (cont...)

Geologist III, Environmental Specialist III, Senior Researcher	B.S. + 5 years relevant experience PE, PG or other similar professional registration preferred	Oversees and coordinates activities of other scientists and project support personnel. Responsible for the design and oversight of field investigations, remedial actions, report documentation and preparations. Activities include but are not limited to reviewing plans and reports; conducting planning and compliance activities; supporting technical and public outreach meetings; supporting policy development; conducting regulatory reviews, compliance audits, and permit development and reviews; supporting waste management activities; preparing and delivering training and facilitation/partnering services; developing and maintaining databases. Provides technical guidance on complex technical issues, regulations and policies.
Geologist II, Environmental Specialist II	B.S. + 3 years relevant experience PE, PG or other similar professional registration desirable	Typical activities include but are not limited to developing plans and reports; conducting planning and compliance activities; supporting technical and public outreach meetings; supporting policy development; conducting regulatory reviews, compliance audits, and permit development and reviews; supporting waste management activities; and developing and maintaining databases.
Geologist I, Environmental Specialist I, Researcher	B.S.	Typical activities include but are not limited to developing and implementing field work plans and reports; conducting planning and compliance activities; supporting policy development; conducting regulatory reviews, permit development and reviews; supporting waste management activities; and developing and maintaining databases.
Species Specialist III	M.S. + 10 years relevant experience	Provide species specific expert opinion and analysis for post-disaster Biologic Assessments on ESA listed species and their habitats. Responsible for data collection/data mining of federal, state and municipal agencies and other external sources necessary. Develop and implement work plans for required field work. Research, compile, develop and write draft portions of an effects analysis on the relevant species habitats. Review data and research provided by other Species Specialists.
Species Specialist II	B.S. + 6 years relevant experience	Provide species specific expert opinion and analysis for post-disaster Biologic Assessments on ESA listed species and their habitats. Responsible for data collection/data mining of federal, state and municipal agencies and other external sources necessary. Develop and implement work plans for required field work. Research, compile, develop and write draft portions of an effects analysis on the relevant species habitats.
Species Specialist I	B.S + 2 years relevant experience	Provide species specific expert opinion and analysis on ESA listed species and their habitats. Responsible for data collection/data mining of federal, state and municipal agencies and other external sources necessary. Develop and implement work plans for required field work. Research, compile, develop and write draft portions of an effects analysis on the relevant species habitats.
Habitat Biologist III	M.S. + 10 years relevant experience	Provide habitat specific expert opinion and analysis for post-disaster Biologic Assessments. Responsible for data collection/data mining of federal, state and municipal agencies and other external sources necessary. Develop and implement work plans for required field work. Research, compile, develop and write draft portions of an effects analysis on the relevant species habitats. Review data and research provided by other Habitat Biologists.

## LABOR CATEGORIES (cont...)

Habitat Biologist III	M.S. + 10 years relevant experience	Provide habitat specific expert opinion and analysis for post-disaster Biologic Assessments. Responsible for data collection/data mining of federal, state and municipal agencies and other external sources necessary. Develop and implement work plans for required field work. Research, compile, develop and write draft portions of an effects analysis on the relevant species habitats. Review data and research provided by other Habitat Biologists.
Habitat Biologist II	B.S. + 6 years relevant experience	Provide habitat specific expert opinion and analysis for post-disaster Biologic Assessments. Responsible for data collection/data mining of federal, state and municipal agencies and other external sources necessary. Develop and implement work plans for required field work. Research, compile, develop and write draft portions of an effects analysis on the relevant species habitats.
Habitat Biologist I	B.S + 2 years relevant experience	Responsible for data collection/data mining of federal, state and municipal agencies and other external sources necessary. Develop and implement work plans for required field work. Research, compile, develop and write draft portions of an effects analysis on the relevant species habitats.
GIS Technician III	B.S. + 10 years relevant experience	Develop, maintain and update maps and database layers using various computer aided software. Provides spacial data analysis and 3D modeling of existing, available geo-data bases. Performs surveying and calculates mapping information, draws from aerial photography.
GIS Technician II	B.S. + 3 years relevant experience	Develop, maintain and update maps and database layers using various computer aided software. Performs surveying and calculates mapping information, draws from aerial photography.
GIS Technician I	B.S.	Develop, maintain and update maps and database layers using various computer aided software. Performs surveying and calculates mapping information, draws from aerial photography.
QA/QC Support III	B.S. + 6 years relevant experience	Provides an overall supervisory function that determines, defines, and implements QA/QC policies, programs, and procedures for specific projects. Uses analytical tools to quantitatively measure quality, reports on findings, and makes recommendations on changes to meet specifications and quality standards.
QA/QC Support II	B.S. + 3 years relevant experience	Provides an overall supervisory function that determines, defines, and implements QA/QC policies, programs, and procedures for specific projects. Uses analytical tools to quantitatively measure quality, reports on findings, and makes recommendations on changes to meet specifications and quality standards.
QA/QC Support I	H.S. + 3 years relevant experience	Provides an overall supervisory function that determines, defines, and implements QA/QC policies, programs, and procedures for specific projects. Uses analytical tools to quantitatively measure quality, reports on findings, and makes recommendations on changes to meet specifications and quality standards.

## LABOR CATEGORIES (cont...)

Graphic Designer	B.S. + 3 years relevant experience	Conceptualizes, designs, and develops a wide variety of information materials (technical, promotional, informational), such as forms, labels, brochures, meeting and conference handouts, slides, posters, and other presentation aids. Designs other visuals such as logos, mastheads, and illustrations for articles in technical manuals, health journals, and other publications. Develops a system for scheduling and tracking requests for graphics/artwork to insure timely and efficient completion of all work products.
Lead/Asbestos/ Mold Inspector	B.S. + 2 years relevant experience, licensed	Develops work plans and risk assessments, performs inspections and sampling, develops reports.
Health & Safety Officer	H.S. + 2 years relevant experience	Responsible for ensuring the safety and health of project personnel through the development and implementation and monitoring of project safety plans, and facilitates training.
Quality Control Manager	B.S. + 5 years relevant experience	Develops, applies, revises and maintains quality standards. Designs and implements procedures for accuracy of inspection testing procedures. Ensures compliance with OSHA regulations. Monitors employee exposure to chemicals and other toxic substances.
Field Manager	B. S. + 8 years relevant experience	Responsible for directing field efforts for multiple projects. Assures personnel & equipment are sourced and scheduled. Assures quality on all projects and work performed by department staff. Monitors field project production and schedules to ensure projects are completed on schedule. Provides staff with critical or expert technical advice as necessary.
Driller	H.S. + 7 years relevant experience, licensed	Performs complex or non-routine technical tasks in evaluating data related to soils and groundwater subsurface materials. Experienced in drilling equipment applications and mechanical operations. Supervises technicians, supports sampling operations.
Field Supervisor	H.S. + 5 years relevant experience	Implements field work plans, supervises field technicians in data collection and documentation for report preparation.
Field Technician, Geologic Technician	H.S. + 2 years relevant experience	Supports field activities, conducts tests, collects samples, prepares samples for lab and generates documentation for report preparation.
Office Professional II	H.S. + 3 years relevant experience	Creates, maintains and enters information into project databases. Maintains project files, monitors budgets and schedules for contracts. Conducts research and prepares reports for project managers and clients.
Office Professional I	H.S. + 1 year relevant experience	Enters data in project databases and maintains project files. Conducts research and prepares reports on project equipment and supplies. Processes correspondence, travel vouchers and other project documents.

# SERVICE DESCRIPTIONS

Service	Description
<p>Geoprobe (includes equipment, Driller, and Field Technician - 10 hour day): Model 6610 Track Mounted Remote Controlled (Min. 1/2 day)</p>	<p>Environmental drilling services to collect subsurface soil and groundwater samples for environmental assessments and remediation planning. Includes Truck, trailer, direct push drilling rig (brand-name Geoprobe), driller and field technician for a 10 hour day.</p>
<p>Geophysical Data Acquisition – GPR, EM31, EM61, Magnetometer, or Gradiometer: (Includes equipment, GPS, 4 wheel-drive vehicle, marking supplies [paint, flags, stakes], vehicle, PPE and 2 Field Technicians) (Min. 1/2 day)</p>	<p>Geophysical data acquisition to collect subsurface data via multiple technologies (ground penetrating radar, electromagnetic technologies). Includes one specific technology and 2 field technicians. Subsurface data is used to map utilities for pre-excavation/drilling activities, map underground storage tanks, contaminant plumes, for environmental assessments and remediation planning.</p>
<p>Private Utility Locating: (Includes Utility Locator &amp; GPR equipment, GPS, 4 wheel-drive vehicle, marking supplies [paint, flags, stakes], vehicle, PPE and 2 Field Technicians) (Min. 2 hours)</p>	<p>Geophysical data acquisition to collect subsurface utilities data. Includes electromagnetic utility locator technology, and two field technicians. Subsurface data is used to map utilities for pre-excavation/drilling activities, for remediation planning.</p>
<p>Infrared Survey: (Includes equipment and 1 Field Technician, PPE) (Min. 1/2 day)</p>	<p>Infrared data acquisition to collect surface moisture information for mold and flat roof surveys. Includes infrared camera and one field technician. Data is used to determine areas of moisture/mold for environmental assessments and remediation planning.</p>

**Environmental and GIS Services (899-1 and 899-7)**

QRI's Environmental Division was founded in 1986. QRI is dedicated to preserving our environment, both locally and nationally, while taking precautions to avoid future damage. Our experienced environmental teams work with government and private sector clients to protect and preserve our nation's natural habitats.

**Project Examples**

**Environmental Consulting Services (ECS) IDIQ for the GSA, Region 7**

QRI has conducted 62 task orders (TO) under this GSA IDIQ Environmental Services Contract. To date, these services have involved 79 Federal properties and/or buildings in 5 states. This contract demonstrates QRI's ability to execute multiple, concurrent TOs. In these 60 TOs, 42 have involved Environmental Studies & Evaluations; 30 have involved NEPA Studies; 24 have involved Natural Resources Studies; 24 have involved Cultural Resource Studies; 47 have involved Compliance Program Studies; 2 involved Pollution Prevention; 44 Investigations / Studies / Corrective Action Support; 35 have involved Geographical Information System Support; 1 involved Environmental Training; 14 have involved Interaction / Public Hearings, and 27 have involved Regulatory Interface. All TOs required coordination with government entities and building occupants, and required the ability to manage multiple concurrent TOs in various states within short timeframes.

**Environmental Support Services IDIQ in LA and MS for the USACE, Vicksburg District**

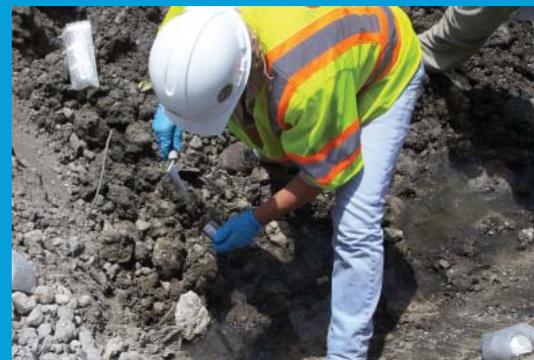
Under this ID/IQ contract QRI provides a full range of environmental services to the U.S. Army Corps of Engineers, Vicksburg District as identified in individual task orders. The environmental services consist of environmental compliance, environmental investigation and remediation, environmental conservation, pollution prevention, safety and industrial hygiene, and litigation support services. QRI has completed 9 task orders with 1 in progress to perform a Biological Assessment for the BP Deepwater Horizon Oil Spill.

Task Orders have included:

- 0002 – Beneficial Use Dredge Study on Atchafalaya River and Bayous Chene, Boeuf and Black
- 0003 – Wetland delineations of multiple sites in LA & MS
- 0004 – Phase I studies on Reach Numbers 1-12 in support of the Plaquemines Parish Federal Levee Project
- 0005 – Yazoo County, MS Disposal Site Phase II ESA
- 0006 – Monroe County, MS Disposal Site Phase II ESA
- 0007 – Aberdeen, MS Disposal Site Phase II ESA and Post Burn Environmental Conditions
- 0008 – Tornado ACM/Lead Paint Demolition in Smithville, MS
- 0009 – Biological Assessment for BP Deep Water Horizon Oil Spill in Gulf regions of TX, LA, MS, AL, FL
- 0010 – Emergency Response for DeGray Dam and Power Plant Oil Spill
- 0011 – Mold Remediation for Grand Ecore Visitor Center

**Confidential Project – Environmental Investigations**

In the fall of 2010, a broken pipeline carrying oil and brine water across a freshwater marsh on a private property in South Louisiana left portions of the property severely impacted even after reported cleanup efforts. QRI was contracted to conduct a site investigation to determine the nature and extent of contamination in the impacted marsh area for use in determining future remediation and restoration to pre-spill conditions. Prior to the site investigation, QRI reviewed and studied spill history documentation as well as prior state agency interaction. Work included field investigations, soil sampling collection, vegetation and wildlife surveys and a Naturally Occurring Radioactive Materials (NORM) survey.



### **Phase I, II, III ESA**

- I Due Diligence site assessments conducted in accordance with ASTM 1527.05 It includes a review of spill/ environmental data, site inspection, and a report.
- II Includes environmental sampling and analytical testing of contaminated sites.
- III QRI has a variety of techniques to remediate sites that are contaminated. QRI has implemented and managed remediation projects for a variety of clients.

### **Biological Assessments**

QRI performs Biological Assessments for Federal Agencies in post-catastrophe environments to evaluate the condition of waterbodies and protected resources.

### **Wetland Delineations**

QRI delineates property to determine the jurisdictional wetland status for clients desiring to construct in possible wetlands. QRI's field scientists use sub-meter GPS units to mark boundaries between wetland and non-wetland areas and prepare GIS maps of the property. Reports prepared by QRI present field data on the three diagnostic characteristics of wetlands and an opinion on the presence and potential extent of jurisdictional wetlands.

### **National Environmental Policy Act (NEPA)**

QRI addresses potential environmental and socioeconomic impacts as a result of a proposed federally funded construction activity. There are three levels of analysis depending on whether or not an undertaking could significantly affect the environment. (1) Categorical exclusion determination; (2) preparation of an environmental assessment/finding of no significant impact (EA/FONSI); and (3) preparation of an environmental impact statement (EIS). QRI has completed NEPA work for the Bureau of Prisons, chemical/manufacturing industries and for the National Park Service.

### **Mold, Asbestos & Lead-based Paint Testing Services**

QRI's licensed inspector can determine the presence and approx. quantity of mold, asbestos and/or lead based paint in commercial and residential facilities. QRI can also remediate and restore properties and personal belongings damaged by hurricanes, fires and other elements.

### **Multi Media Sampling & Testing**

Soil, water, air, and biota can be collected in accordance with relevant standards and submitted to an accredited laboratory for analytical testing. QRI's risk assessor will screen the resulting data against appropriate standards to determine if remediation and/or engineering controls are necessary.

### **Interpretive Design**

Interpretive design involves planning and implementation of informal learning-based exhibits at institutions including museums and heritage sites where interpretation is used to communicate information and experiences.

### **Biological Risk Assessments/Threatened & Endangered Species Surveys**

Threatened and endangered species reports are prepared by researching government and private agency databases and conducting a site visit to determine whether the species are or could be present on a property. QRI performs these assessments for the federal government prior to construction projects to assure compliance with the Endangered Species Act.

### **Groundwater Classification**

Groundwater-bearing units affected by, or reasonably anticipated to be affected by, chemicals of concern (COCs) in concentrations at or above residential groundwater assessment levels must be characterized to determine the applicable response objectives. Groundwater is characterized based upon a site-specific evaluation of the current use of the groundwater-bearing unit (GWBU), as well as its potential use, as defined by natural water quality and well yield

## **Geophysical Services in Support of Environmental Investigations**

### **Utility Locating**

QRI uses multiple technologies to locate both metallic & non-metallic lines (GPR, EM Multi-frequency technologies). Subsurface utilities identified can be mapped using GPS, GIS and CAD.

### **GPR Concrete Surveys**

Using GPR, QRI can map intra or subsurface voids, rebar, post tension cables, utilities and slab depths.

### **Subsurface Mapping**

EM 31 and EM 61 surveys to map USTs, debris fields, contaminants, archeological anomalies and pipelines; GPR is most commonly used for underground clearance of crane mat foundations. EM 61 Conductivity Surveys can detect USTs, buried metallic debris and drums. EM 31 Resistivity Surveys can detect USTs, delineate contaminant boundaries and pits, and map saltwater intrusion.

### **Vacuum Excavation**

Air/water lance and vacuum excavation will non-destructively reveal subsurface objects, whether potholing or trenching. QRI also offers concrete removal and restoration services in conjunction with vacuum excavation.

### **Infrared Thermal Imaging Services**

Our FLIR T640 infrared camera will expose thermal anomalies, quantify them with precise non-contact temperature measurements, and document them automatically in seconds in a professional IR report. Types of IR Surveys include: Electrical Hot Spots, Building Envelop/ Energy Audits, Flat Roof Leak Surveys and Mold Detection Surveys.

### **Pulser™**

QRI has developed a nonintrusive geological mapping technology called Pulser™. Pulser™ defines underlying geology to a depth of 350' without extensive drilling. Using subsurface data visualization software, Pulser™ data is transformed into 2D and 3D representations of stratigraphy and lithology.

## **Environmental Drilling Services in Support of Environmental Consulting**

### **Direct Push Technology**

Using track-mounted remote-controlled Geoprobe DPT rigs, QRI provides environmental soil and groundwater sampling and monitoring wells in difficult environments.

## **Remediation and Reclamation Services (899-8)**

QRI's Emergency Response/Remediation Division was founded in 2005. QRI's number one priority is safety. We strive to restore our neighborhoods to habitable conditions after man-made and natural disasters. QRI specializes in remedial efforts that ensure public health and safety.

### **Project Examples**

#### **Lead and Arsenic Abatement in Tacoma, WA for the USACE, Seattle District**

QRI was awarded a \$3.8 M contract for the excavation, disposal and capping of soil in 123 residential yards containing arsenic and lead deposition in the Ruston neighborhood of Tacoma, Washington. The U.S. Environmental Protection Agency (USEPA) issued a Record of Decision for the Ruston/North Tacoma Study Area in June 1993, selecting a remedy for soils in residential and public rights-of-way exceeding 230 parts per million (ppm) arsenic or 500 ppm lead. There were 1,800 contaminated yards due to the ASARCO Smelter located in the area from 1890 to 1985 with 1,624 yards having been remediated prior to QRI's contact. Work under this design-bid-build contract includes:

- Resident coordination
- Sampling
- Excavation of soils containing arsenic and lead
- Remediation support services for the EPA
- Transportation and disposal of CERCLA waste to EPA approved site
- Establishment of turf including distribution of fertilizer
- Hydroseeding
- Sodding
- Landscape restoration
- Preparing all pre and post-remediation documentation



#### **Post Hurricanes Katrina/Rita Personal Property Debris Removal (PPDR), Jefferson Parish, LA for the USACE, New Orleans District**

QRI was awarded 3 simultaneous personal property debris removal (PPDR) contracts by USACE, Louisiana Recovery Field Office (LA-RFO) for removal of debris from 8,173 private properties which covered 18,176 acres in Jefferson Parish, Louisiana. Within 48 hours of award, QRI deployed 632 crews divided into 105 teams ranging in size from 4 to 7 personnel equipped with trucks, dump trucks, cranes, excavators, front-end loaders, skid steers, boom trucks, water trucks, debris trailers and all types of rigging and safety equipment.

QRI removed, excavated, handled, temporarily stored, transported and disposed of contaminated and non-contaminated media consisting of 107,792 yd<sup>3</sup> vegetative debris, 1,553 yd<sup>3</sup> construction and demolition debris, (C&D), 1,677 yd<sup>3</sup> regulated asbestos containing material (RACM), 19,915 items of household hazardous waste (HHW), 544 items of white goods (WG) with freon removed, and 188 items of electronic waste (EW)

on the 8,173 properties. All activities were documented by 131 teams of QRI personnel that photographed existing conditions, progress and completion stages with 367,785 photographs and provided 8,173 residential specific post-remediation documentation packets that were satisfactory to the property owners and/or tenants, the Government and the public.



### **Environmental Remediation Services**

QRI provides environmental remediation support for various clients such as the DoD, the EPA, the GSA, State governments, Municipal governments and the private sector. Program expertise includes: DERP, FUDS, FUSRAP, Superfund and Brownfield Programs; environmental stewardship programs and other environmental related regulatory programs. Services include the control/remediation of environmental contamination from pollutants, toxic substances, radioactive materials and hazardous materials at known or suspected Hazardous, Toxic and Radioactive Waste (HTRW) sites with respect to RCRA; CERCLA; NCP; CAA; the CWA; SDWA; OPA; PPA; TSCA and other related Federal Programs in addition to State and local regulations dealing with hazardous waste management; radioactive waste management; mixed waste management; and with USTs and ASTs and other fuels related issues.

### **Emergency Disaster Responses**

Planning capabilities: creation of Statements of Work, Management Operation Plans, Quality Control Plans, Site Specific Health & Safety Plans, Site Specific Accident Prevention Plans and Environmental Sampling and Analysis to determine and record baseline environmental conditions. Implementation includes: management of debris segregation and removal (including PPDR); hazardous containment; management of orphan containers.

### **Emergency Oil Spill**

QRI provides 24-hour point of contact for emergency responses; response capabilities within 1-hour of notification; on-site source control and containment; in-situ treatment using a variety of technologies; manifesting for waste management, managing transport of clean-up waste to a permitted offsite facility.

### **Quality Assurance & Control**

QRI provides Quality Assurance monitoring and FEMA reimbursement eligibility guidelines documentation. Additionally, we offer experienced Quality Assurance and Quality Control supervisors, FEMA Reimbursement Specialists, Project Managers, Field Supervisors, Debris Site/Tower Monitors, and Crew Monitors.

### **Debris Removal Services**

Vegetation including trees; Construction and Demolition Waste; Regulated Asbestos Containing Material; Household Hazardous Waste; White Goods; Electronic Waste; Gasoline Powered Equipment; Small Motorized Equipment.